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# NOTICE OF ALLOWANCE AND FEE(S) DUE

32074

7590

02/17/2004

INTERNATIONAL BUSINESS MACHINES CORPORATION DEPT. 18G BLDG. 300-482 2070 ROUTE 52 HOPEWELL JUNCTION, NY 12533 EXAMINER PRANTON

BOWERS, BRANDON

ART UNIT

PAPER NUMBER

2825

DATE MAILED: 02/17/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/014.707	11/13/2001	Lars W. Liebmann	FIS9-2001-0274US1	6991

TITLE OF INVENTION: ALTERNATING PHASE SHIFT MASK DESIGN WITH OPTIMIZED PHASE SHAPES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE TOTAL FEE(S) DUE D.		DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/17/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

			or <u>Fax</u>	(703) 746-4000	<b>9</b>		
indicated unless corrected t	below or directed otherwise	smitting the ISSU Patent, advance ord in Block I, by (a)	E FEE and PUBL ders and notification specifying a new	ICATION FEE (if requestion of maintenance fees correspondence address	uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sep-	hould be completed where correspondence address as arate "FEE ADDRESS" for	
maintenance fee notification CURRENT CORRESPONDENC	IS. E ADDRESS (Note: Legibly mark-up	with any corrections or	use Block 1)	Note: A certificate o	f mailing can only be used f	or domestic mailines of th	
		. ,	,	Fee(s) Transmittal, T	Note: A certificate of mailing can only be used for domestic mailings of th Fee(s) Transmittal. This certificate cannot be used for any other accompanyin		
32074 7590 02/17/2004				papers. Each additional paper, such as an assignment or formal drawing, mu have its own certificate of mailing or transmission.			
INTERNATION	AL BUSINESS MAG	CHINES		Ce	rtificate of Mailing or Trans	smission	
CORPORATION				I hereby certify that t	his Fee(s) Transmittal is bein	g deposited with the United	
DEPT. 18G				addressed to the Ma	il Stop ISSUE FEE address	above, or being facsimil	
BLDG. 300-482				I hereby certify that this Fee(s) Transmittal is being deposited with the Unite States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimil transmitted to the USPTO, on the date indicated below.			
2070 ROUTE 52 HOPEWELL JUNG	CTIONI NIV 12622			(Depositor's name			
HOLEWELL JOIN	C110N, N 1 12333					(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVI	ENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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EXAM		ART UNI	11	CLASS-SUBCLASS	J		
BOWERS, I		2825		716-019000			
1. Change of correspondence CFR 1.363).	e address or indication of "Fe	ee Address" (37		on the patent front page of 3 registered patent a			
☐ Change of corresponde	ence address (or Change of C	orrespondence	agents OR, alter	matively, (2) the name	of a single	1-4	
Address form PTO/SB/12	22) attached.		firm (having as	a member a registered attorney or 2ames of up to 2 registered patent			
			attorneys or age	nts. If no name is liste		•	
3. ASSIGNEE NAME AND	RESIDENCE DATA TO B	E PRINTED ON T	HE PATENT (prin	t or type)			
	an assignee is identified bel d to the USPTO or is being s	ow, no assignee da ubmitted under sep	ata will appear on to parate cover. Comp		ssignee data is only appropri T a substitute for filing an ass UNTRY)	ate when an assignment ha ignment.	
Please check the appropriate  4a. The following fee(s) are			• '		corporation or other private g	roup entity 🚨 governmen	
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☐ Publication Fee				lit card. Form PTO-2038			
•		•		harge the required fee(s), or	credit any overpayment, to		
Director for Patents is reques	sted to apply the Issue Fee ar		Deposit Account N	umber	(enclose an extra c	opy of this form).	
(Authorized Signature)		(Date)		·			
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NOTE; The Issue Fee and other than the applicant; a interest as shown by the rec	Publication Fee (if require a registered attorney or age cords of the United States Pa	d) will not be acc nt; or the assigne tent and Trademark	cepted from anyone e or other party is				
This collection of informat obtain or retain a benefit be application. Confidentiality estimated to take 12 minut completed application for case. Any comments on suggestions for reducing the Patent and Trademark C 22313-1450. DO NOT S SEND TO: Commissioner of the confidence of the	tion is required by 37 CFR by the public which is to five is governed by 35 U.S.C. I est to complete, including gain to the USPTO. Time will the amount of time you raise burden, should be sent to ffice, U.S. Department of END FEES OR COMPLE for Patents, Alexandria, Virgent is to the public to the public transfer of transfer of the public tran	1.311. The inform le (and by the US) 22 and 37 CFR 1.1 thering, preparing, vary depending the complete of the Chief Inform of Commerce, AFED FORMS TO inia 22313-1450.	ation is required to PTO to process) at 4. This collection is and submitting the upon the individua e this form and/o nation Officer, U.S lexandria, Virginia THIS ADDRESS				
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CORPORATION	N			
DEPT. 18G			ART UNIT	PAPER NUMBER
BLDG. 300-482			2825	
2070 ROUTE 52 HOPEWELL JU	! NCTION, NY 12533		DATE MAILED: 02/17/200	4

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 226 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 226 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

On

	Application No.	Applicant(s)			
		LIEDMANNIETAL			
Notice of Allowability	10/014,707 Examin r	LIEBMANN ET AL.  Art Unit			
•					
· · · · · · · · · · · · · · · · · · ·	Brandon W Bowers	2825			
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. <b>THIS</b>			
1. X This communication is responsive to <u>amendment received</u>	20 November 2003.				
2. The allowed claim(s) is/are <u>1-16</u> .					
3. $\boxtimes$ The drawings filed on <u>13 November 2001</u> are accepted by	the Examiner.				
<ul> <li>4. ☐ Acknowledgment is made of a claim for foreign priority ur</li> <li>a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ul>	nder 35 U.S.C. § 119(a)-(d) or (f).				
<ol> <li>Certified copies of the priority documents have</li> </ol>	e been received.				
<ol><li>Certified copies of the priority documents have</li></ol>	e been received in Application No	·			
<ol><li>Copies of the certified copies of the priority do</li></ol>	cuments have been received in this i	national stage application from the			
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
5. Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specification.	ation or in an Application Data Sheet				
(a) The translation of the foreign language provisional a					
6. Acknowledgment is made of a claim for domestic priority up in the first sentence of the specification or in an Application		nce a specific reference was included			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of					
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
<ul> <li>8. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus</li> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No</li> </ul>		948) attached			
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the Examiner.					
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No.					
(*,					
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in ti					
9. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR T					
Attachment(s)					
1☐ Notice of References Cited (PTO-892)	5∐ Notice of Informal Pat	tent Application (PTO-152)			
2☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6☐ Interview Summary (F	PTO-413), Paper No			
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No	7 Examiner's Amendme	ent/Comment			
4☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8 Examiner's Statemen 9 Other	t of Reasons for Allowance			
	VUTHE SIEK PRIMARY EXAMIN	ER			